

IL NUOVO CIMENTO

volume 13 C serie 1 numero 1 gennaio-febbraio 1990

INIFCAS 13(1) 1-320 (1990)

sommario di questo fascicolo

pag.

1 R. M. BONNET – Observational cosmology within the ESA science programme.

19 G. V. PALLOTTINO – SN 1987A: correlations between the Maryland and Rome gravitational wave detector data and the Mont Blanc and Kamiokande neutrino detector data.

35 P. BONIFAZI – Upper limit on the flux of gravitational wave bursts.

49 F. BORDONI, F. FULIGNI and V. IAFOLLA – Application to other fields of techniques used for gravity wave detection.

59 M. BASSAN, P. BONIFAZI, F. BORDONI, M. G. CASTELLANO, V. IAFOLLA and M. VISCO – The gravitational wave antenna in Frascati.

67 I. CIUFOLINI – General relativistic measurements with satellite laser ranging, lunar laser ranging and very long baseline interferometry.

79 B. BAVASSANO – Origin and evolution of MHD turbulence in the solar wind.

89 M. CANDIDI – Magnetospheric physics research at IFSI/CNR.

93 U. VILLANTE, M. VELLANTE, M. DE LAURETIS, P. CERULLI-IRELLI and R. ORFEI – Micropulsation measurements at low latitudes.

103 M. STORINI – Galactic cosmic-ray modulation and solar-terrestrial relationships.

125 A. CACCIANI, D. RICCI, P. ROSATI, E. J. RHODES, E. SMITH, S. TOMCZYK and R. K. ULRICH – Solar magnetic fields measurements with a magneto-optical filter.

131 M. R. ATTOLINI, S. CECCHINI, M. GALLI and T. NANNI – The subharmonics of the 22-year solar cycle.

139 E. PIERAZZO, S. M. SARTORI, V. VANZANI and E. CELOTTO – A systematic comparison of two different models of cosmogenic nuclide production in meteorites.

147 A. DI LELLIS, V. FORMISANO and C. GARIAZZO – Event-counting imaging with MCP and WSA.

155 E. AMATA, P. BALDETTI, G. BELLUCCI, V. FORMISANO, A. MORBIDINI, S. ORSINI, A. PAVONI, R. TERENZI and M. VITERBINI – The experiment OPERA for the mission Interball.

163 A. CACCIANI, F. FABBRI, D. RICCI, P. ROSATI, R. MARQUEDANT and E. SMITH – Preparation of a second station for the measurement of solar oscillations of low degree «*l*».

169 G. COMORETTO, L. IESS, B. BERTOTTI, J. P. BRENKLE, T. HORTON and G. GRUEFF – Spacecraft Doppler tracking with a VLBI antenna.

177 G. BIANCHI – Activities of Selenia Spazio.

189 A. ATZEI – ROSETTA ad FIRST: two cornerstone missions of ESA long-term space science programme.

211 L. COLANGELI and G. SCHWEHM - Comet composition: models and new observations.

223 F. TRIPODI, V. FORMISANO, E. AMATA, G. BELLUCCI and S. CRISTALDI - Study of star extinction beyond comet P/Halley.

231 A. BLANCO, A. BORGHESI, V. OROFINO, E. BUSSOLETTI, S. FONTI, C. FUSCO, L. COLANGELI, G. SCHWEHM and C. DE BLASI - Amorphous carbon and carbonaceous materials in space. - I: Laboratory measurements.

241 A. BLANCO, A. BORGHESI, V. OROFINO, E. BUSSOLETTI, S. FONTI, C. FUSCO, L. COLANGELI and G. SCHWEHM - Amorphous carbon and carbonaceous materials in space. - II: Astrophysical implications.

249 P. CLEGG - Spectroscopy with ISO.

269 C. CECCARELLI, D. LORENZETTI, B. NISINI and P. SARACENO - IRAS observations of possible Herbig-Haro exciting sources in the Chamaleon dark cloud.

279 C. CECCARELLI, D. LORENZETTI, B. NISINI, P. SARACENO and R. LISEAU - Grand-scale low-mass star formation in our Galaxy.

285 R. ORFEI, P. BALDETTI, C. CECCARELLI, P. CERULLI, D. LORENZETTI, A. MORBIDINI, B. NISINI, S. NOZZOLI, P. SARACENO, L. SPINOGLIO and M. VITERBINI - The contribution of IFSI (Istituto di Fisica dello Spazio Interplanetario) to the ISO Project.

293 F. BERRILLI, C. CECCARELLI, D. LORENZETTI, B. NISINI, P. SARACENO and F. STRAFELLA - IRAS observations of Herbig Ae/Be stars.

303 A. VALBONI and B. CARLI - Sagnac-type optical gyros.

313 S. AIELLO, A. BARBIS, A. BONETTI, G. VENTURA and V. NATALE - Cold sources observations in the millimetric region from the TIRGO telescope.

IL NUOVO CIMENTO

volume 13 C

serie 1

numero 3

maggio-giugno 1990

NIFBAP 13(3) 541-676 (1990)

sommario di questo fascicolo

pag.

541 K. I. VOLIAK – Excitation of reverse waves by cubic interaction between a swell and wind waves.

551 K. NAGASHIMA, S. SAKAKIBARA, K. FUJIMOTO, R. TATSUOKA and I. MORISHITA – Localized pits and peaks in Forbush decrease, associated with stratified structure of disturbed and undisturbed magnetic fields.

589 G. MASTRANTONIO, R. OCONE, A. PELLEGRINI and G. FIOCCO – Sodar observations of the antarctic boundary layer in a deglaciated area: preliminary results.

599 G. P. GOBBI, A. ADRIANI and M. VITERBINI – Polar stratospheric clouds and ozone depletion: relevance of extended *in situ* observations.

617 G. ARESHIDZE, V. CHKUASELI, P. MANDJGALADZE, D. ZILPIMIANI, F. BELLA, M. CAPUTO, G. DELLA MONICA, A. ERMINI, V. SGRIGNA, P. F. BIAGI and G. MELIKADZE – Abnormal behaviour of some parameters revealed in the Georgian SSR before the Armenia earthquake of December 7, 1988: a preliminary report.

631 P. F. BIAGI, P. MANJGALADZE, D. ZILPIMIANI and V. SGRIGNA – Preliminary laboratory observations of nonlinearity electromechanic effects.

639 E. G. CORDARO, N. IUCCI and M. STORINI – Cosmic-ray intensity increase observed on September 29, 1989: the Chilean neutron monitor data.

Note brevi

647 F. MOSETTI and N. PURGA – Tides and sea level evolution at Alexandria (Egypt).

653 V. PORUBCAN and G. CEVOLANI – On the activity and structure of the Quadrantid meteor stream.

663 A. GUERRINI and G. MURINO – Electric forces and physics of clouds.

669 C. GANDINO, W. LEYENDECKER and S. SANDRONI – Northern foehn and ground-level ozone at Ispra.



Digitized by the Internet Archive
in 2023 with funding from
Kahle/Austin Foundation

IL NUOVO CIMENTO

volume 13 C

serie 1

numero 2

marzo-aprile 1990

NIFCAS 13(2) 321-540 (1990)

sommario di questo fascicolo

pag.

321 P. PISTILLI – SINGAO: a very large telescope for neutrino gamma astronomy and cosmic-ray studies.

337 M. PAMINI, L. NATALUCCI and D. DAL FIUME, F. FRONTERA, E. COSTA and M. SALVATI – The gamma-ray burst monitor on board the SAX satellite.

345 C. CASTAGNOLI, C. MORELLO, G. NAVARRA, L. PERIALE, P. VALLANIA, J. A. CHINELLATO, M. DE CASTRO SOUZA, A. TURTELLI, P. MIRANDA and A. VELARDE – Search for 100 TeV gamma-rays from SN 1987A.

353 M. AGLIETTA, G. BADINO, L. BERGAMASCO, C. CASTAGNOLI, A. CASTELLINA, G. CINI, B. D'ETTORE-PIAZZOLI, W. FULGIONE, P. GALEOTTI, P. GHIA, G. MANNOCHI, C. MORELLO, G. NAVARRA, L. PERIALE, P. PICCHI, O. SAAVEDRA, G. TRINCHERO, P. VALLANIA and S. VERNETTO – The EAS-TOP detector at Gran Sasso.

365 M. AGLIETTA, G. BADINO, G. BOLOGNA, C. CASTAGNOLI, A. CASTELLINA, W. FULGIONE, P. GALEOTTI, O. SAAVEDRA, G. TRINCHERO, S. VERNETTO, V. L. DADYKIN, F. F. KALCHUKOV, I. V. KOROLKOVA, P. V. KORTCHAGUIN, V. A. KUDRYATZEV, A. S. MALGUIN, V. G. RYASSNY, O. G. RYAZSKAYA, G. T. ZATSEPIN and V. F. YAKUSHEV – Neutrino astrophysics and SN 1987A.

375 O. CITTERIO, G. BONELLI, G. CONTI, E. MATTAINI and B. SACCO – High-throughput optics for X-ray astronomy.

391 G. AGNETTA, B. BIONDO, R. BUCCHERI, C. M. CAROLLO, O. CATALANO, J. LINSLEY, A. MANGANO, L. SCARSI, M. A. LAWRENCE, P. A. OGDEN, M. PATEL, R. J. O. REID and A. A. WATSON – PLASTEX: the Palermo-Leeds air shower tracking experiment.

401 G. F. BIGNAMI – Science with GRASP.

411 N. D'AMICO – Millisecond pulsar searches.

421 G. AGNETTA, B. BIONDO, F. CELI, R. DI RAFFAELE, S. GIARRUSSO, S. LA ROSA, G. MANZO, S. RE and L. SOLE – The high-pressure gas scintillation proportional counter on board the Italian X-ray astronomy satellite SAX.

431 E. COSTA, A. EMANUELE, A. RUBINI, E. MASSARO, G. MATT, G. MEDICI, G. C. PEROLA and M. SALVATI – A scattering polarimeter for X-ray astronomy.

437 F. FRONTERA, A. BASILI, D. DAL FIUME, T. FRANCESCHINI, G. LANDINI, E. MORELLI, J. M. POULSEN, S. SILVESTRI, E. COSTA, D. CARDINI, A. EMANUELE and A. RUBINI – The LAPEX experiment for observation of the supernova SN 1987A in hard X-rays.

445 G. PASQUALINI, P. DE CHIARA and F. FRONTERA – Monte Carlo study of a hard X-ray concentrator.

453 C. MORELLO, L. PERIALE, P. VALLANIA and G. NAVARRA – Cygnus X-3: six years of observations at $E_0 \geq 50$ TeV from the Plateau Rosa array.

463 D. DAL FIUME, N. R. ROBBA, F. FRONTERA and L. STELLA - Variability of GX3+1 observed with EXOSAT.

471 D. DE MARTINO, L. B. F. M. WATERS, G. M. H. J. HABETS and A. R. TAYLOR - X-ray variability in transient X-ray sources.

481 D. DAL FIUME, J. M. POULSEN, F. FRONTERA, G. MANZO, S. RE, N. R. ROBBA, G. AMADORI, C. BARTOLINI, A. GUARNIERI and A. PICCIONI - Coordinated observation of the massive system 4U1700 + 24 = HD154791.

489 G. PIZZICHINI and S. REBECHI - Computer identification of celestial objects and its problems: the case of optical identification of X-ray sources.

497 E. COSTA, L. BARBANERA, D. CARDINI, G. CERACCHI, M. V. CINTI, D. DAL FIUME, A. EMANUELE, G. FARINA, S. FIACCONI, F. FRONTERA, U. B. JAYANTHI, E. MASSARO, G. MEDICI, E. MORELLI, J. A. C. F. NERI, L. PIRO, J. M. POULSEN, A. RUBINI, M. SALVATI, C. A. W. DE SOUZA and D. SPOTO - The SUGAR experiment, technical description and performances.

505 C. BORTOLOTTI, A. CATTANI, A. MACCAFERRI, S. MONTEBUGNOLI, N. D'AMICO and F. FAUCI - Pulsar observations with the «Northern Cross».

517 B. M. BELLi and M. UGOLINI - An analysis of the morphological and spectral behaviour of the gamma-ray bursts.

525 G. BUSARELLO, F. DI MARTINO and G. LONGO - A complete data base of kinematical data for early-type galaxies.

529 S. CORTIGLIONI, G. GIOVANNINI, N. MANDOLESI, G. MORIGI, G. VENTURA, R. B. PARTRIDGE and S. BOUGHN - A balloon-borne experiment for observations of the near-infrared cosmological background.

537 E. PALAZZI, N. MANDOLESI, P. CRANE, D. J. HEGYI, J. CHRISTOPHER BLADES and M. L. KUTNER - The cosmic background radiation temperature at 1.3 mm.